



Manik Chaudhary

QA Architect /Lead Automation
Test Engineer

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Summary

- 11+ years of experience in test automation, quality engineering, and delivery management.
- Expert in **designing enterprise-wide automation frameworks** and **leveraging AI/ML-driven testing solutions** to enhance defect prediction, intelligent test case generation, and self-healing test scripts.
- Strong background in **project management, resource allocation** and contributing in **interviews and onboarding** resources, ensuring on-time, high-quality deliveries aligned with business objectives.
- Adept in **UI, API, DB, and performance test automation**, with proven success in integrating solutions into **CI/CD pipelines (Jenkins, Azure DevOps, GitHub Actions)**.
- Skilled in **strategic planning, governance, and delivery management**, fostering collaboration in Agile/SAFe environments. Recognized for enabling **digital transformation through AI-powered automation, cloud-native testing, and DevOps alignment**, while driving continuous improvement, innovation, and organizational efficiency.

Certifications

- Azure AI-900 (Azure AI fundamentals)
- AZ-900 (Azure fundamentals)
- PCEP - Python Certified Entry-Level Python Programmer
- Tricentis Tosca Fundamentals
- Professional Scrum Master I
- ISTQB CTFL (Foundation)
- SAFe 5.0 Practitioner

Skills

Engineering Practices

- **Management & Delivery:** Resource/People Management, Project Planning & Delivery, Agile/Scrum, SAFe, Stakeholder Collaboration, Continuous Improvement
- **Advanced Technology:** Code Quality, Code Review, Static Code Analysis, Continuous Integration & Delivery (CI/CD), Test Case integration, Reporting and test automation governance.
- **Quality Engineering:** Test Automation Framework Architecture (Hybrid, BDD, TDD, POM), Test Strategy and Planning, UI/API/Database Test Automation, Cloud & Data Testing (Databricks, Snowflake, AWS), Load/Performance Testing, Usability Testing, Test Data & Environment Management, Defect Management, Quality Gates.
- **Governance & Compliance:** Established and enforced testing governance, ensuring all automation activities complied with organizational policies and industry security standards.
- **AI-driven Testing:** Predictive Analytics, Intelligent Test Case Generation, Autonomous Test Execution

Leadership & Soft Skills

- **Leadership:** Team Mentoring, Coaching, Resource Allocation, Developing Others

- **People Management:** Directly managing and onboarding resources, overseeing performance evaluations, career development, and resource optimization.
- **Communication & Facilitation:** Agile Ceremonies, Client Demos & Reviews, Client Collaboration and Trade off
- **Ownership & Problem-Solving:** Strategic Decision Making, Conflict Resolution, Risk Management
- **Vendor & Stakeholder Management:** Managing relationships with internal staff and external partners to ensure timely completion of test phases and delivery of high-quality releases

Tools & Technologies

- **Programming & Scripting:** Python, Java, SQL, Oracle PL/SQL
- **Frameworks:** Hybrid, TDD, Robot Framework, Cucumber (BDD), Pytest, TestNG
- **CI/CD & DevOps:** Jenkins, Azure DevOps, GitLab, Docker
- **Data & Cloud:** Databricks, Snowflake, Oracle RDBMS, AWS
- **Testing & Automation Tools:** Selenium WebDriver, Playwright, Postman, Requests, Pandas, Tricentis Tosca, Jmeter, Mocking Utilities
- **Infrastructure & Platforms:** Linux, Windows, Web/Application Servers.
- **Version Control Systems:** Git, Github.

Work experience

QA Architect/Test Manager/Test Automation Lead

2021 Aug - present

EPAM Systems

- Architected and enhanced enterprise-wide automation frameworks using Python, Pytest, BDD, and Selenium.
- **People Management:** Directly interviewing, managing and mentoring team of 8 members.
- Defined test strategy and automation roadmap aligning with CI/CD DevOps pipelines.
- Adoption of **AI-driven automation** for intelligent test case generation, predictive analytics, and self-healing test execution.
- Designed reusable automation libraries for UI, API and DB testing, improving maintainability and scalability.
- Directed **database and cloud testing** initiatives, leveraging platforms such as **Databricks and Snowflake** to validate large-scale data workflows.
- Leveraged automation tools like Tricentis Tosca for end-to-end automation, enabling model-based testing, improved test coverage, and accelerated release cycles.
- Oversaw **resource management, project planning, and delivery governance**, ensuring optimal team performance and alignment with organizational goals.
- Acted as a **facilitator** in Agile/SAFe environments, driving collaboration, continuous improvement, and high-quality product releases
- Recognized for balancing **technical test architecture** with **strategic leadership**, enabling efficiency, innovation, and measurable business value.

SDET II

2019 Jun - 2021 Aug

S&P GLOBAL

- Contributed to the **design and development of automation frameworks** for **UI and API testing** using **Java, Python, with requests, Selenium and pytest**.
- Integrated automation solutions with **CI/CD pipelines** and **defect management tools** such as **JIRA and TFS**, improving release efficiency and traceability.
- Delivered **internal training sessions** to upskill teams on automation best practices and foster knowledge sharing.
- Actively participated in **tool evaluation and proof-of-concepts (PoCs)** to support enterprise-wide adoption of scalable QA solutions.

- Gained strong exposure to the **financial domain**, enhancing business understanding and test coverage for critical applications.

Software Engineer

2018 Mar - 2019 Jun

Guardian India Operations

- Designed and implemented **automation solutions for regression testing** using **SahiPro**, improving test efficiency and reducing manual effort.
- Assisted in **test strategy creation** and participated in **functional specification reviews** to ensure early defect prevention and alignment with business requirements.
- Conducted **proof-of-concepts (PoCs)** to evaluate and recommend **new automation tools and frameworks** for enterprise adoption, contributing to continuous improvement of QA practices.
- Collected and analyzed **business requirements** to design and implement effective solutions.
- Contributed to the **development of back-end and front-end modules**, ensuring functionality, performance, and scalability.
- Performed **troubleshooting and bug fixing** to maintain application stability and improve user experience.

QA Engineer

2014 Oct - 2018 Mar

SoftTech India Pvt Ltd

- Created and executed **functional and regression test suites** to validate application quality and stability.
- Developed **early automation test scripts** to reduce manual effort and accelerate testing cycles.
- Actively participated in **Agile ceremonies** (sprint planning, daily stand-ups, retrospectives) to ensure continuous quality delivery and alignment with development goals.

Education

Bachelor of Technology

2013 Jun

Galgotias College of Engineering & Technology

Uttar Pradesh Technical University
Gr. Noida, Uttar Pradesh